

	<b>DEPARTMENT OF COMMERCE</b> National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program	<b>ISSUE DATE:</b> March 24, 2006
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		<b>LAP:</b> Dosimetry
<b>SUBJECT:</b> $^{204}\text{Tl}$ and $^{85}\text{Kr}$ Irradiations for Proficiency Testing		

In a memorandum dated October 26, 2005, NVLAP described the reasons for excluding  $^{204}\text{Tl}$  for whole-body proficiency testing. Effective 2<sup>nd</sup> quarter 2006,  $^{204}\text{Tl}$  will no longer be used in proficiency testing for whole-body dosimeters.  $^{85}\text{Kr}$  will be the low-energy beta source.

Proficiency testing for extremity dosimeters will continue to use  $^{204}\text{Tl}$  because the testing standard, ANSI N13.32, does not include  $^{85}\text{Kr}$  as a testing source. However, it is anticipated that future revisions of ANSI N13.32 may allow  $^{85}\text{Kr}$  testing.

In summary,

- 1)  $^{204}\text{Tl}$  will no longer be used in proficiency testing for whole-body dosimeters beginning 2<sup>nd</sup> quarter 2006;
- 2)  $^{204}\text{Tl}$  will continue to be used in proficiency testing for extremity dosimeters until further notice.

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